



State of Utah

DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF WATER QUALITY

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WATER RIGHTS
SALT LAKE

*Review
w/ Bob.*

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April 29, 1993

Mr. Bob Morgan
Division of Natural Resources
1636 West North Temple
Salt Lake City, UT 84116-3193

Dear Mr. Morgan:

Thank you for attendance at the April 22, 1993 meeting. Enclosed is copy of the minutes of the meeting for your records. In order to develop a project scope for the study of impacts to ground water supplies from development along the drainage basin of the Beaver Creek/Milford Valley area, the following people are being asked to form a Technical Subcommittee to the Utah NPS Task Force Executive Committee.

TECHNICAL SUBCOMMITTEE MEMBERS

Marian Kimbloski, USU
Joe Gates, USGS
Mike Reichert, DEQ
Mark Novak, DEQ

Jim Weston, SCS
Paul Richards, UDA
Reed Mower, Smithfield Geotech. Cons.
Bill Damery, DEQ

The subcommittee will meet on May 13, 1993 in room 336 at 10:00 am in the Cannon Health Building located at 288 N 1460 W. (same room as April 22 meeting). The agenda for this meeting is also enclosed. Subcommittee members please send a representative if you are unable to attend. Please contact me at 538-6146 if you know of someone who would you like to be on the subcommittee.

Sincerely,

William Damery

William Damery, Environmental Scientist
Ground Water Protection Section

Enclosures

WD:gt

cc: Wayne Thomas, District Engineer
Gary Edwards, Director Southwest Utah Public Health Dept.

P:SUBCOM.LTR

**PROPOSED GROUND WATER MONITORING
PILOT PROJECT FOR MILFORD AREA**

Meeting

DEQ/Water Quality - Rm. 336

April 22, 1993

Minutes

PRESENT: Van Burgess, Bill Damery, Joe Gates, Walt Holmes, George Hopkin, Larry Mize, Bob Morgan, Reed Mower, Mark Novak, Fred Pehrson, Cary Peterson, Warren Petersen, Paul Richards, Mike Reichert, David Susono, Jim Weston.

Meeting was called to order and introductions were made. Bill Damery proposed the focus of the meeting was to identify feasibility of a study, get input on the process, identify sources of revenue and cost of the project, and put together a task force.

Commissioner Peterson emphasized the importance of this pork producing facility to the economy of Utah. He noted this could be set up as a basin wide process and used as a model for future projects. He stated that using existing wells for monitoring could help keep the cost down.

Warren Petersen gave a brief summary of the plans and objectives of the facility. He said they anticipated \$350 million annually in sales. Mr. Petersen expressed his willingness to share the data they have regarding this project.

USGS reported they have a cooperative program with the Div. of Water Rights since 1935 and have done work in Milford since that time. There have been studies since the 50's, 70's and early 80's. Primarily, they have been collecting data on pumpage down there, keeping track of all of the ground water withdrawals. USGS has been measuring water levels and water level changes, and have been collecting water samples and analyzing ground water since the 1950's. Since 1964 they have had a statewide network of ground water quality monitoring wells. There are approximately 15 to 20 wells around Milford. They have done a study in Milford and constructed a digital model of the ground water flow systems in the early 1980's. Right now there is a study with the cooperation of the Div. of Water Rights to try to understand the differences in movement of water from the surface down toward the water table as a result of irrigation from sprinklers and flood irrigation; trying to determine what the differences are and whether there is actually recharge from irrigation.

In a handout USGS noted since 1963 and 1993 there has been a reduction of 20' in the water level in the Milford area. They also reported a nitrate problem locally in the area. It was also pointed out there was an increase in TDS. USGS said that, while their monies were allocated through this fiscal year, special funds might be available for research of high value.

After a general discussion, the consensus was for subcommittee to research tools for land use management plans, such as recharge/vulnerability mapping, and scope out a work plan. The effort would be proposed in a phased approach with the initial effort being focused on the development of a base line water quality map from existing data. Subcommittee membership would consist of representatives from attending agencies at this meeting. DWQ agreed to coordinate the meeting of the subcommittee which will work out details and make recommendations to this committee to then later be presented to Utah NPS Task Force Executive Committee.

Meeting adjourned at 10:50AM.